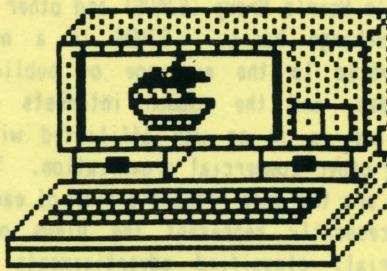


South Jersey Apple User's Group



'September
1989

Candy Apple

Main Meeting - Sept. 15th
Topic-PRODIGY for the MAC

Voorhees Community Center - 7:30 p.m.

See Back Cover for Map

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The Candy Apple is published for the members of the South Jersey Apple User's Group (SJAUG) and other computer clubs on an exchange basis. SJAUG is a non-profit organization devoted to the exchange of public domain information, ideas, and the common interests of Apple Computer users and is in no way affiliated with Apple Computers or any other commercial organization. The views expressed herein are the sole responsibility of each author and do not necessarily represent the views of SJAUG. Newsworthy material, classified advertisements and any other Candy Apple related material should be mailed to the editor: Wanda Bullion

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Cherry Hill, NJ 08003

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SJAUG APPLELINE, the SJAUG BBS 424-1382

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Anyone willing to volunteer help in their particular area of expertise, please contact the editor.

* Club Notes *
* by Gus Banks *

September-- Although the calendar doesn't indicate it, this is the start of the year for many of us. I've been associated with education for so long that I still believe the year starts in September. For the club, this month's program starts what we believe will be a series of excellent programs. First for September, Prodigy will be demonstrating their home service program for the MAC. They have been advertising heavily on TV for the past year and are now extending their service to the MAC. There will be multiple giveaways as part of this program for the MAC user. If you're a MAC owner don't miss this program.

Then during October we will be supporting Computer Learning Month with an education program about LEGO/LOGO. November will find representatives from Claris discussing AppleWorks 3.0. Our annual December holiday social meeting will be expanded to have new games demonstrated for those who don't shop early.

A tax program is tentatively planned for January, with February bringing our annual election and an art contest. Now is the time to start thinking about how you can actively contribute to the club. There will be several positions open. The art contest will be similar to last year's, so start working on your entries.

This month also brings the restart of our club's SIGs. Make sure you check the calendar for the correct date. Also, take a look at the ads that are now in the paper. These advertisers are helping to support the club. The Monstrmat that is shown will be given away during the October meeting.

There is a new BBS that supports the Apple in South Jersey. The BBS is run by Software etc., at 722-5234. They plan to have both Apple and MAC areas of interest.

We are going to have a membership drive for the next two months. There are a lot of Apple owners out there who do not realize the advantages of belonging to an active user's group. If you know of someone like this, bring them to a meeting, either the main meeting or a SIG meeting. When they join you will each receive a free library disk. You will have your choice from our main disk library, SIG libraries, or a current Disk of the Month.

As you can see we have good activities planned and you can be sure of informative programs at the SIG meetings. Now is the time to get your personal computer active again. That's what I'm doing.

See you at the meeting.

CLUB DISK PRICES

Member Prices: 5 1/4 3.5

Disk of the Month \$3 \$4

Apple License Disk \$3 \$4

Library Disk \$4 \$5

Non-Member Prices:

All Disks \$7 \$7

Current membership card required for member prices.

EDIT PRO - SEPTEMBER DISK OF THE MONTH

By P. Mark Wannop

The September "regular" disk-of-the-month is Edit Pro. Written by Ken Kashmarek and released as shareware by Living Legends Software (a division of Softdisk), this is a fast ProDOS global line editor for Applesoft. It was hand-coded in 6502 machine language, and is claimed to be 5 to 10 times faster than other Applesoft editors.

The shareware version is referred to as the "blue plate special" - a fuller version is sent to the user with registration. The full version supports much more than global line editing; routines are included that do the following:

Disk based program merging, reproduction, partial program saves, cross referencing, DOS 3.3 cataloging and file loading (under ProDOS), global searches, auto line numbering, and many other functions.

The sections on the shareware disk are:

EDIT.PRO: contains LIST, XLIST, AUTO, EDIT, FIND, CHANGE, RENUMBER, COPY, SPLIT, EXIT, and M (Monitor).

HELP: Installs an on-line "help" feature. Note that the disk must remain in the drive - it is not "memory resident."

The expanded version, once you register, also includes:

DISK: contains MERGE, VIEW, SCAN, PSAVE, TYPE, DUMP, REPRO, XVIEW, and EXIT

HEX.MEM: contains HEX, DEC, PEEK, POKE, WPEEK, WPOKE, WHERE, MEM, and QUIT

OPTIMIZE: contains XVIEW, XREF, VREF, GREF, LREF, and QUIT

DOS: contains DCAT, DLDDAD (load/edit DOS 3.3 files), QUIT

COMPARE: compares two BASIC programs, giving detailed results.

Commands may in many cases be abbreviated; EDIT 100 can be written E100.

When you boot the disk you will first see a title screen followed by a menu of four choices. The first choice prints a brief overview of the program to the screen; the second goes into a little more detail on Edit Pro (the above description condensed from these options); the third gives you the registration information. The fourth option is RUN EDIT PRO; when you press it, it loads the EDIT.PRO module. You are then asked if you want the HELP file loader installed. Pressing Y will do that, and you'll be confronted with the Applesoft prompt, as if nothing has happened. But if you type HELP, a screen will be read in from disk describing the HELP function plus all the commands you can get help for. If you type HELP AUTO you will get a screen describing the use and syntax of the AUTO command. And if you type (for example) AUTO 100,10

you will see a line number 100 appear; type a line of BASIC code and press return, and line number 110 pops up. With a bit of studying of the help screens, one should be able to navigate around the program pretty well.

Now, how about documentation? Well, there's the HELP command... But there are no handy TXT or AWP files on the disk to print out and study. This is one of the "gotchas" to inspire you to bite the bullet and break out the checkbook... Once you have registered and paid your shareware fee, you will receive (it sez here) a detailed manual, the latest (full) version of the program, your personal ID code, and access to the support line.

The "blue plate special" (their term for the shareware distribution disk) is fully functional and in itself is a valuable utility for anyone who works in BASIC under ProDOS the functions included are not pared down in any way; the extra functions and utilities on the expanded disk (and the manual) are, of course, attractive reasons to send in your registration!

The registration fee is \$20.00 if you are a Softdisk subscriber (or if you also order a Softdisk subscription - see their ad in the Apple magazines for info - when you register); otherwise it's \$30.00. The address is SOFTDISK, P.O. Box 30008, Shreveport, LA 71130-0008.

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For those of you who are not on the SJAUG bulletin board, AppleLine, here is your first look at the trivia board run by our own "Uncle Bruno." Thought you might enjoy playing along with the rest of us!!

THE BEST OF UNCLE BRUNO

Master of Trivia on SJAUG AppleLine

Here we have the first ten questions that Uncle Bruno posted on the South Jersey Apple-Line BBS beginning early in 1989. Where necessary - and sometimes just for the heck of it - ol' Bruno has gone into a bit of detail in the answers...[Which, of course, your editor will run NEXT MONTH in their entirety. Good luck!]

- 1) On 1950's TV, What multi-millionaire periodically gave away a cashier's check for one million dollars to strangers as a hobby?
- 2) Who was this multi-millionaire's agent?
- 3) A) Name the ghostly Saint Bernard dog in the TV version of "Topper" B) Name the dog who played the role (thanks for the "B" question to Ed Pierzynski)...
- 4) Name the man in the original Tom Swift series who continually blessed his personal possessions and parts of his anatomy...
- 5) Who created the ad campaign that asked "Who put the eight great tomatoes in that itty bitty can" for Contadina?
- 6) What inventor promoted alternating current (A.C.) for home electrical service?
- 7) What President of the United States got stuck in his bathtub?
- 8) And now for all my DEAR little friends... What was the falsetto singing, ukelele strumming novelty singer Tiny Tim's real name?
- 9) The Articles of the Confederation preceded the U. S. Constitution; under the Articles of the Confederation, (a) who was the REAL first President of the United States? (b) How long was his term?
- 10) Under the Articles, how many Presidents preceeded George Washington, the first President under the Constitution?

See you next month with the answers!

PRINT SHOP (TM) SUPPORT

DISK-OF-THE-MONTH

By P. Mark Wannop

Aw, you must have been peeking... Yep, it's more graphics... This one SJAUG #5 (otherwise known as BRAC/BRCC # H17) and has, among other things, lots of cartoon characters! We have Beetle Bailey, Broom Hilda, Dagwood, Fat Cat (who looks like the one that eats lasagna), Fred Flintstone, Garfield (another pose), Mickey, Cookie Monster (who is now another Disney character...), Popeye, and Strawberry Shortcake. Other nice stuff includes a Bushy Bear, a skull, a nifty triceratops, and several pattern tiles. There are 71 graphics on this disk.

Also on this disk is "Print Shop Slide Show", which is the boot program. You can boot this disk, and it will show the files on the disk on your screen. You can also use it to view any of your PS graphics disks (except the main PS disk). Note that it will NOT do a direct screen dump to your printer.

As I wrote last month, we have added several disks of Print Shop support files to the library - rather than introduce them one at a time, they are now all available; one will be featured each month at the disk of the month price (\$3.00) while the rest will be the regular library price. That way folks who can't wait can get the stuff they need, and those content to collect at their leisure will save a buck...



APPLEWORKS DISK OF THE MONTH

By Mike Wogan

To celebrate September, and the beginning of school, the AppleWorks disk for September is Teacher's Farrago, a collection of AW files useful to teachers. It is a set of three disks (five sides), taken from the entire set of TAWUG disks (TAWUG.1 through TAWUG.30).

There are several calendar files, grade books, vocabulary lists, and database files for books, magazines, A.V. equipment, names and addresses, and software. There is even a spreadsheet file to be used in salary negotiations!

Some of the files deal with particular subject matter. For example, there are files for History, Chemistry (a spreadsheet of the elements), math, and computer science. The computer science files include tests, vocabulary, "care of disks," etc. Several of them would make good class hand-outs.

Several of the math files perform calculations or return values, e.g., for logs, trig functions, 4-function arithmetic calculations, hex calculations, hex conversions, date math (number of days between two dates), and means. A couple of the files produce graphs or histograms.

I'm sure you'll find something in here that will interest you.

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MINI-BITS

By Wanda Bullion, Editor

The following column was downloaded from AppleLink, Personal Edition, 8/23/89, and is printed in its entirety.

APPLE INCREASES MEMORY OF APPLE II GS

CUPERTINO, California. August 15, 1989. Apple Computer, Inc. announced today that it has increased the memory that comes standard with its Apple II GS highlight computer, offering greater value to new Apple II GS customers for no additional charge.

"This change continues to demonstrate Apple's commitment to provide enhancements that improve the Apple II computing experience," said Jean-Louis Gassee, president of Apple Products. "Together with the new Apple II GS System Software 5.0, first available last month, the new Apple II GS provides a much more robust platform for current and future software applications. Customers will find the Apple II GS faster, more responsive and more capable than ever before."

The Apple II GS now comes with 1 megabyte (technically, 1.125 megabytes) of random-access memory (RAM) and 256K of read-only memory (ROM) -- rather than the 512K RAM and 128K ROM in the Apple II GS it replaces. With 1 megabyte of RAM standard, the computer will operate on the AppleTalk network system and handle larger documents and more sophisticated applications without the need for added memory. Additionally, some features of the new System Software 5.0 have been included in the computers ROM, providing developers more efficient access to system tools. The new Apple II GS is compatible with hardware and software designed for previous Apple II GS computers.

Prominent Apple II GS developers are pleased with the new 1-megabyte Apple II GS and the type of applications it supports. "The value of the Apple II GS has been enhanced tremendously," said Stan Roach, vice president, Activision Presentation Tools. "Apple is responding to the needs of users and developers by introducing this new machine."

Roger Wagner, president of Roger Wagner Publishing, Inc., commented, "The new Apple II GS with System Software 5.0 is real evidence of Apple's continuing support for the Apple II. The new standard memory and system software significantly improve the speed and performance of an already powerful machine. Combined with the new Apple II Video Overlay Card, the system provides a perfect environment for sophisticated applications like our HyperStudio hypermedia system."

"The Apple II GS and System Software 5.0 provide the memory and speed customers and developers want," said Jordan Sachs, vice president and general manager of Britannica Software, publishers of the popular Designasaurus and Jigsaw applications. "Designasaurus, as well as our new programs Revolution 76 and Laser Force require the greater memory that is now standard. With it, we can maximize the potential of our applications,

--continued on page 6

Review of Faz.II by Bruce A. Mah by Ethel Graham

If you have ever needed to change a filetype, and sooner or later we all run into this situation, the program Faz.II makes it incredibly easy, not to mention educational. This is a public domain program; one of those little gems that we don't use often but is well worth the disk space.

The most common use for filetype changers is to port favorite files to another word processor. Good old Magic Window files are listed as binary files, but they are actually text files with some binary stuff in the header. Hold on; they're Dos 3.3. Sure, but just copy them to a ProDOS disk and then run Faz.II to change the filetype from \$06 to \$04. When you load it into Appleworks as a text file you can just get rid of the junk in the front.

Publish It! fonts are listed as \$F7 filetype with an auxiliary type of \$0006. They can be used as GS fonts if you change them to \$C8 fonts with an aux type of \$0000. Can't remember all that? No problem. Faz.II does it automatically. Fonts in GS format can be changed to Publish It! fonts by the above utility.

The other use for the program is to change the access bits of a file; e.g. allow it to be deleted, renamed, written to, read, etc.

Reading the list of file attributes is indeed interesting. There is a bewildering list of \$C0 files, for example. Paintworks 1.0 is aux type \$0000, Eagle format is \$0001, Apple Preferred \$0002. These types were developed when it became apparent that the Apple world would run out of filetypes, since there is only one byte permitted for the filetype, or up to 255 numbers. Thus the \$E0 Applelink Conversion Utility has an auxtype of \$8001 and the NuFX or Shrinkit files are \$E0, auxtype \$8002.

Faz.II will work on an enhanced IIe and upwards. If you have a Plus or a Franklin, get Faz.II. Look for this file on our own BBS in volume 2, Utilities. Enjoy!

--continued from page 5

providing more information and making them more challenging."

Several other changes have been made to the Apple IIGS. Specific slots must no longer be dedicated to specific uses, so there are effectively more slots available for custom configurations. Additionally, a new logic board design produces minor improvements to the computers sound.

Other enhancements for people with disabilities allow them to manipulate the mouse and use the keyboard more easily. A new "sticky keys" feature enables users to activate several keys simultaneously with single keystrokes. Additionally, users who have difficulty moving the mouse may increase the computers responsiveness to mouse movements and may control more functions from the keyboard rather than the mouse.

The recommended upgrade path from the current Apple IIGS 512K is to add memory (available in 256K increments) and install System Software 5.0. Many Apple IIGS customers have already added memory to their machines and will obtain about 90 percent of the new machines functionality by installing the new system software. Apple is not offering an upgrade kit because the required logic board replacement is not cost effective for customers.

The suggested retail price of the Apple IIGS with keyboard, mouse, manuals, system software and guided tour remains \$1149. The machine is currently available in limited quantities from authorized Apple dealers. Full-capacity production will begin in early fall.

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IN TONGUES

by W M Carey

Last column, I promised my readers an explanation of the use of a memory mapping chip. But before we get to that, let's expand on the results of the floating point benchmark that I mentioned then.

As you recall, the benchmark simply evaluated the expression

$A = \text{TAN}(\text{ATN}(\text{EXP}(\text{LOG}(\text{SQR}(A*A)))))) + 1.0$, two thousand four hundred and 99 times, and performed that exercise 10 times.

The time taken to do the above measures the speed of floating point operations, while the answer measures the accuracy of the floating point technique. The final answer should theoretically be 2500.

The results, on a series of machines, were as follows:

VAX 8800	2 seconds	2467.3456
VAX 7880	6 seconds	2467.3456
Macintosh		
with FP hardware	3.5 seconds	2500.0000
without FP hardware	1876 seconds	2500.0000
Apple IIe	1.5 hours	2478.0000

As you can see, the Mac, without floating point hardware, is hardly a number cruncher. On the other hand, DEC has a lot to be modest about in the accuracy of their floating point system.

Now on to the Memory Management chip. The Mac, and most other personal-size computers are evolving into a mode of operation that has been common on larger systems for many years, namely multi-processing. This is a mode which, for instance, lets you print one document while editing a second one. The two processes appear to be going on simultaneously on different machines, while in reality the same computer is performing both.

In such a system, Memory management is critical. Programs cannot be written that won't step on each other's memory locations. And yet, we need two or more programs to be running simultaneously.

The answer is the memory management chip which makes each program think that it is operating in memory by itself, while in reality several programs are using the memory simultaneously.

This is how it works. Assume that we have a printer program and a word processing program running simultaneously. Each program was written to occupy memory between addresses 1000 and 10000. Hence when either program wishes to either store or retrieve information from memory, it sends to memory an address within the above limits. HOWEVER -- that address must first pass through the memory management chip. And that chip knows which program issued the memory instruction. So, if the instruction came from the word processor, for instance, the chip will let the address pass through unaltered. However, if the instruction came from the print program, the chip merely translates the address to some other, predetermined value, and forwards that new address to memory.

As you can see, the memory management chip interacts quite strongly with the operating system and must be carefully controlled by that operating system. It is actually the operating system that decides how to partition the memory, and where in memory each program should reside. It informs the Memory Management Chip of those decisions, and the chip performs the address translations at hardware speeds. (The same function can be performed exclusively in software, but only at a significant cost in speed.)

There is another aspect to memory management, over and above the Memory Management chip, and that's called Page Management. We'll discuss that next month.

SJAUG #5



ATTENTION MEMBERS !! SEPTEMBER IS MEMBERSHIP MONTH !

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When the New Member Joins, YOU and the NEW MEMBER each receive a FREE DISK !!

You may choose a single disk-of-the-month or any single disk from the club disk library.

SEE YOU IN SEPTEMBER !!

Here are 10 good reasons why you should own a Monstrmat:

1 **New larger size.** (30" x 22") Turns your entire work area into an ideal surface for mouse movement. No more running off the edges of the mousepad.

2 **New Material.** The Monstrmat is made of a hard plastic foam that provides the ideal amount of traction for intricate graphics work.

6 **Cleans Easily.** The Monstrmat is not picky about what kind of cleaning solution you use. Use your favorite cleaning method. In fact, the material is so durable that it can be cleaned with solvents as harsh as Acetone without damaging the Monstrmat (Don't try to clean your old rubber mousepads, they decompose when exposed to most cleaning agents).

3 **Closed Cell.** If you need to clean up a coffee spill or wash the surface of your Monstrmat, you will be glad to know this improved material cannot absorb liquids. If you spill on a Monstrmat, you can just wipe the surface dry with a cloth, there is no sponge effect like ordinary mousepads.



7 **One Size Fits All.** Only the Monstrmat is large enough to allow custom trimming for any size or shape desk. The material is easily trimmed with a razor or scissors. Most desks are the perfect size for a Monstrmat, but if you need a custom shape, we made it easy for you.

4 **Keeps Mouse Clean.** The Monstrmat was designed to replace neoprene rubber

mousepads that decompose and clog the inside of your mouse. The durable plastic surface of a Monstrmat will never decompose and gum up the rollers inside your mouse. And since the Monstrmat is the only pad that can be cleaned without worry, your mouse can stay clean too.

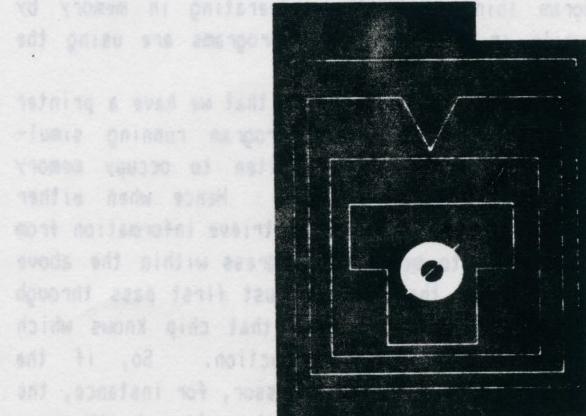
8 **Helps With Static.** There is no nylon laminate on the Monstrmat to collect static electricity. Since your computer and Keyboard will be resting on a surface that resists static electricity, you won't have to ground your mousepad to keep the static off of it.

5 **Keeps Keyboard Stationary.** When you place your keyboard and your computer on the Monstrmat, the first thing you notice is that your keyboard is happier and no longer slips or slides around on the desktop.

9 **Never Lost.** You won't have to worry about someone borrowing your mousepad and forgetting to return it. The Monstrmat is protected from borrowers by the computer and keyboard that sit on top of it, it will always be there when you need it.

10 **Doubles As A Deskspace.** The surface of the Monstrmat is firm enough to put your paperwork on, and start writing. Your entire desktop will instantly have a more organized look, and when you start working on your computer, you will feel more organized.

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SJAUG MEETINGS FOR SEPTEMBER

SJAUG Board Meeting: Friday, Sept. 8th -
Mike Wogan's house - 7:30 p.m.

Main Meeting: Friday, Sept. 15th -
Voorhees Community Center - 7:30 p.m.

IIGS Sig: Wednesday, Sept. 20th - 7:30
p.m. Call Bob Bobik for details:
778-2105

Beginners' Mac SIG: Not meeting. This
SIG is on hold for the time being;
however, Ed Gaugler will be glad to
answer questions or help new users on
a case-by-case basis. You can
contact him at 424-5547.

Classic Apple SIG: Meets Thursday,
September 21st - 7:30 p.m. - Topic:
demonstration of the Microsoft
compiler for Applesoft BASIC by Steve
Opfermann. Place: Mike Wogan's
House. Call Mike for directions:
854-6445

New AppleWorks Sig: Contact Bev Darkatsh
for details at 365-5821, Monday
through Friday.

COMING IN OCTOBER:

Board Meeting: October 13th

Main Meeting: October 20th -
Demonstration of LEGO/LOGO for
Computer Learning Month.



TOE SHOE



TRICERATOPS



TU CAMERA



UNCLE SAM



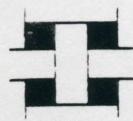
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WALL STREET



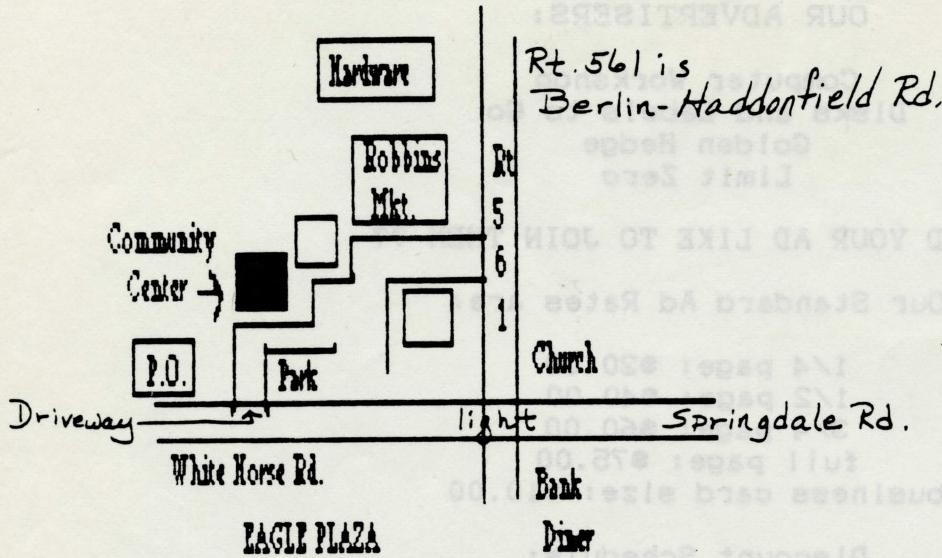
WICKER 1



WICKER 2



ELEPHANT



~ MAP TO MAIN MEETING ~

Candy Apple

The Newsletter of the South Jersey

Apple Users Group

P.O. Box 4273

Cherry Hill, NJ 08003

